

**CLAIMS**

What is claimed is:

1. A method of starting an engine with a first switch, the method comprising:

turning the first switch to a starting position;

5 energizing a second switch using an electrical power source;

closing the second switch;

energizing a starter-generator;

turning the first switch to a running position; and

charging the electrical power source using the starter-generator.

10 2. A method as in claim 1, further comprising keeping a transmission in a neutral position.

3. A method of controlling a starter-generator using a first switch, the method comprising:

providing a circuit path from a battery to the first switch;

15 providing a switched circuit path from a shifter to the first switch;

energizing a second switch by moving the first switch to a predetermined position;

providing current from the battery through the second switch to the starter-generator; and

20 providing a rectified circuit path from the starter-generator to the battery.

4. A method of controlling a starter-generator as claimed in claim 3, the method further comprising de-energizing the second switch by moving the key switch to a second predetermined position.
5. A method of controlling a starter-generator as claimed in claim 3, the method further comprising configuring the rectified circuit path and the second switch in parallel.
6. A method of controlling a starter-generator as claimed in claim 3, the method further comprising de-energizing the second switch by opening the switched circuit path.
- 10 7. A method of controlling electrical power drainage of a starter-generator circuit, the method comprising:
  - providing a bypass rectifier for charging an electrical power source;
  - providing a multiple position switch for de-energizing a solenoid; and
  - providing a shifter-controlled switch for de-energizing a solenoid.

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